

(C) WPI/Derwent

AN - 2003-565724 [53]

AP - KR20030019755 20030328

CPY - IHNK-I

- KIMJ-I

DC - A23 Q68

FS - CPI;GMPI

IC - B82B3/00 ; C08K3/00 ; C08L33/06

IN - IHN K J; KIM J Y; MOK J G; SHIN D H

MC - A04-F06A A04-F07 A10-B01

PA - (IHNK-I) IHN K J

- (KIMJ-I) KIM J Y

PN - KR2003031090 A 20030418 DW200353 C08L33/06 000pp

PR - KR20030019755 20030328

XA - C2003-152493

XIC - B82B-003/00 ; C08K-003/00 ; C08L-033/06

AB - KR2003031090 NOVELTY - Provided is a method for producing a nano-composite of unsaturated polyester containing silver nano-particles, by which unsaturated polyester containing silver nano-particles is simultaneously obtained while silver metal salt is dispersed in liquid resin and then polymerized.

- DETAILED DESCRIPTION - The method for producing a nano-composite of unsaturated polyester containing silver nano-particles is characterized in that nano particles having size of 1-50 nm are simultaneously formed while unsaturated polyester resin is cured. 0.5-70 wt% of metal salts such as silver nitrate or silver acetate is dissolved into polar solvent such as acetonitrile or ethylene glycol to form a solution, and 0.1-40 wt% of the solution is dispersed into liquefied unsaturated polyester resin.

- (Dwg.0/0)

IW - METHOD PRODUCE NANO COMPOSITE UNSATURATED POLYESTER CONTAIN SILVER NANO PARTICLE

IKW - METHOD PRODUCE NANO COMPOSITE UNSATURATED POLYESTER CONTAIN SILVER NANO PARTICLE

INW - IHN K J; KIM J Y; MOK J G; SHIN D H

NC - 001

OPD - 2003-03-28

ORD - 2003-04-18

PAW - (IHNK-I) IHN K J

- (KIMJ-I) KIM J Y

TI - Method for producing nano-composite of unsaturated polyester containing silver nano-particles